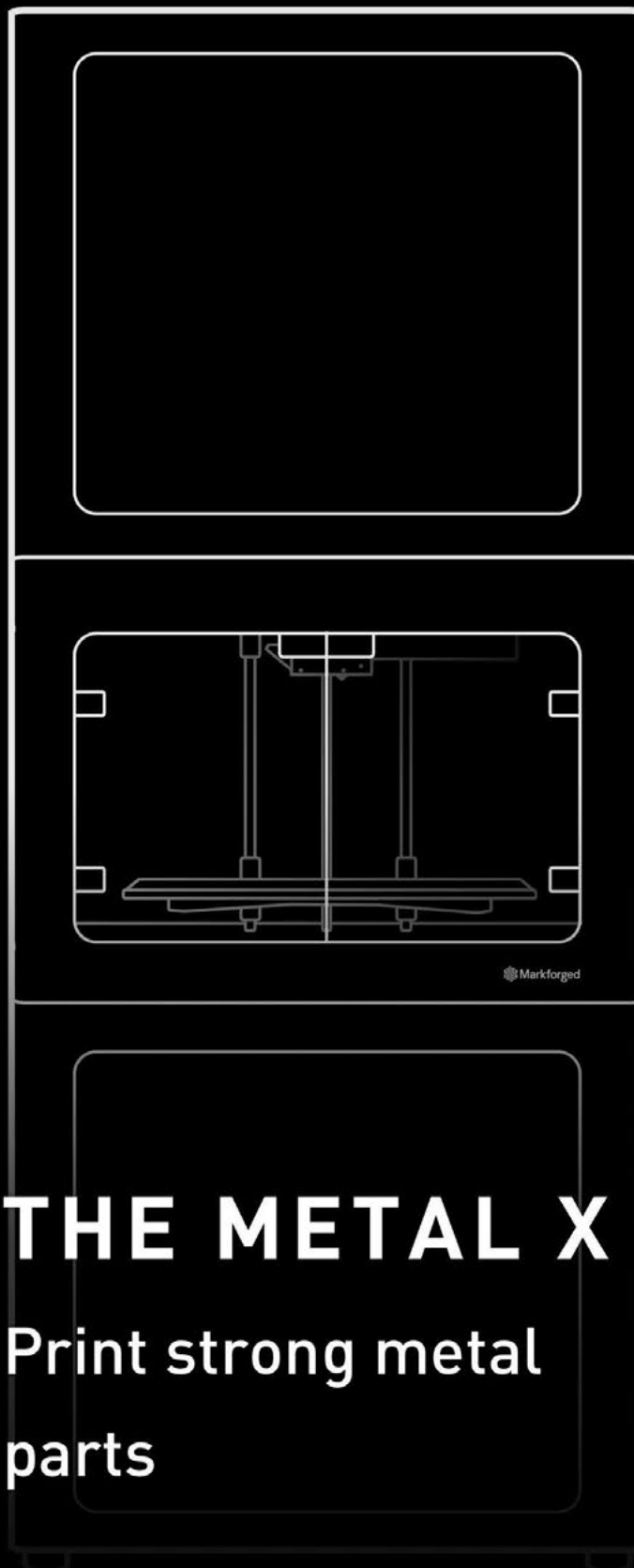




Markforged

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Print the Future

www.3dz.es
info@3dz.es

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Say Hello To ADAM

ATOMIC DIFFUSION ADDITIVE MANUFACTURING

ADAM prints your part using a bound metal powder that transforms into a dense metal part in one easy step. Bulk sintering provides crystal growth through all axes giving your parts excellent mechanical properties in all directions.



ADAM enables the creation of unique geometries such as closed-cell honeycomb infill. Parts can be printed like the structure of bones - a closed cell inner core encased in a solid outer shell. This geometry is not possible using traditional subtractive manufacturing processes





THE METAL X
Metal 3D Printer

YOUR PARTS, FASTER

Cut mission-critical time out of your development cycle. With ADAM technology your parts are ready the next day instead of next month. Even make plastic parts faster by printing injection molding tooling.

PRINT WITH EASE

Go straight from CAD to your part all in a compact, clean and highly affordable platform. Print geometries that are difficult or impossible to manufacture using conventional means. Make parts lighter with triangular infill, or build complex internal cavities and structures.

UNPARALLED ACCURACY

The Metal X gives you breakthrough quality and precision in 3D printing. Scan your parts mid-print using our cloud-based Eiger software and a laser micrometer affixed to the print head. Ensure dimensional accuracy at the most critical tolerances at any point in your print.

METALS FOR EVERY JOB

Mechanical properties equivalent to cast metal mean you can say goodbye to expensive and long-lead-time tooling for low volume metal parts. Streamline your supply chain and eliminate back-catalog inventory by printing fully functional components on-demand.

METAL X MATERIALS

Print anything in metal

17-4 & 303 Stainless Steel

For demanding tooling and fixturing applications, Stainless Steel is the perfect blend of high strength, corrosion resistance and hardness. It's used widely in the aerospace, medical and petroleum industries.

A-2 & D-2 Tool Steel BETA

A-2 Tool Steel is air-hardened making it a great solution for injection molding tooling and dies. The high carbon and chromium content of D-2 Tool Steel provides great hardness and abrasion resistance – it's often used for cutting tools.

6061 & 7075 Aluminum BETA

Aluminum combines good machinability, strength, and weldability. It's the go-to solution for manufacturing applications such as jigs, jaws, tools and fixtures.

Titanium Ti-6Al-4V BETA

Ideal for lightweight applications, Titanium has both high tensile strength and fatigue resistance. This bio-compatible material is widely used in medical applications such as orthopedic joint replacements.

METAL X SPECIFICATIONS

BUILD VOLUME	250mm x 220mm x 200mm
FOOTPRINT	575mm x 467mm x 1432mm
MATERIALS	17-4 Stainless Steel 303 Stainless Steel 6061 Aluminum (Beta) 7075 Aluminum (Beta) A-2 Tool Steel (Beta) D-2 Tool Steel (Beta) IN Alloy (Inconel) 625 (Beta) Titanium Ti-6Al-4V (Beta)
INSPECTION PARAMETERS	50 micron beam diameter 1 micron Z resolution
Z LAYER RESOLUTION	50 micron
SOFTWARE	Single Sign-On Two-Factor Authentication Organization Admin Portal Early Access to New Features
SOFTWARE DELIVERY	Cloud-based Local Storage Fully On-premise*



Print the Future

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